

ABSTRACT OF THE DISCLOSURE

An edge router adds a tag specifying a VLAN, to which a receiver host belongs, for receiving a multicast packet and transmits the multicast packet to a subordinate router one by one, and the subordinate router receiving the multicast packet copies this multicast packet and transfers the copied multicast packet to each receiver host belonging to the VLAN, thereby reducing a line occupancy rate and improving band utilization efficiency.

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